Design Engineering's index for 1970

Assembly Dip brazing ideal for joining aluminum	Apr	n56	Hydraulic system design — Part 5 Hydraulic system design — Part 6	Aug	
Welder travels around calandria tubes	_	p59	Hydraulic system design — Part 7	Sep	
What's new in fasteners	Jun	-	Hydraulic system design — Part 9	Dec	
How to join welded steel tubing	Aug	-			1
Daniel W			Materials		
Drawing office			New manufacturing method triples life of		
Design methodology — Part 10	Jan		bearings	Mar	p52
Data centre offers potent design aids Drawing office equipment and supplies buy-	Feb	p40	Pull-forming process used to produce FRP profiles	May	p56
ers' guide	Feb	p42	Far-out ideas for reinforced plastics	May	
Design methodology — Part 11	Feb	p52	Are you using the best material?	May	
Design methodology — Part 12	Mar	p48	Photochromic glass gives memory to remote display terminal	Iun	p/17
ting with drafting machine	Jun	p46	Car has two-piece body of vacuum-molded	Jun	p47
Understanding the true position dimension-		•	ABS	Jun	p48
ing and tolerancing system	Aug	p22	Use nylon 11 for protective coating	Aug	p28
Desk-top calculators	Nov	p53	PM makes best HS steels	Sep	
			Cut costs — design for cold extrusion	Sep	p50
Electrical and electronic		40	Mechanical power transmission		
Electromechanical or solid state?	Jan	p48	Rolamite used in inertia switches	Mar	n58
Long-life battery has improved capacity with age	Inn	n51	What's new in variable speed drives	Mar	
Motors with printed circuit armatures		p51 p52	Rollers give line contact for long wear		p55
Linear induction motors: their character-	Jan	PSZ	Safety column uses breakaway inserts and		•
istics and applications	Jan	p56	convoluted tube	Apr	p55
Electric motors and controls buyers' guide	Jan	p66	The single revolution clutch		p62
Variable reluctance drives compressor and			What's new in brakes and clutches		p64
Phone lines and computers will replace	Feb	p49	Choosing industrial caliper disc brakes Asymmetric sheaves give increased life with		p58
meter reading man	Mar	p55	smaller belts	-	p63
Kit simplifies IC design	Mar	p57	Positive drive belts have teeth on both sides Right-angled rollers give 3-D drive		p63
Thermal current analysis gives fingerprints of electret materials	Mor	250	Spiral drives ball bearings in high efficiency	Oct	poo
Water activates magnesium batteries		p58 p40	reduction drive	Oct	p68
Magnetic gradiometer can detect potential	Jun	Pio	Building block type PTO can drive seven		
aircraft hijackers	Jun	p47	pumps Mechanical power transmission buyers'	Oct	p71
Fluid power			guide	Oct	p72
Fluidics exposition and conference	Feb	p55			
Dies protected by production fluidic system		p57	Miscellaneous		
Air relay has snap action actuation	Mar	p59	Two-way bearings take error out of thrust		
Hydraulic system design — Part 1		p48	measurement	Mar	p54
Fluidics control chassis production		p52	Aerial lift has scissors boom and self-con-	Mon	-56
Hydraulic system design — Part 2		p64 p42	Portable mast can be erected or collapsed in	Mar	p56
Hydraulic system design — Part 3		p48	minutes	Mar	p56
Select your air dryer scientifically		p50	Control by light possible with new laser	21201	Poo
Press uses air, oil and electricity to assemble		•	guides	Apr	p51
fuel pump	Jul	p52	First N/C lathe designed in Canada	Jun	p45
Squeeze put on tubes to control levels	Jul	p54	Split-cycle engine said to eliminate exhaust		40
Air logic elements assemble on multi-pas-			pollution		p49
sage manifolds		p56	Auxiliary fans improve road adhesion Heat reactor reduces exhaust emission		p20 p25
Hydraulic system design — Part 4 Twin hydrostatics power and steer versatile	Jul	p58	Ontario government runs design clinics		p30
loader	Int	p61	Noise criteria in the design of plants		p36
Pneumatics in mechanization and automa-	Jui	Por	Canadian campus builds clean air car	*	p42
tion	Jul	p64	Digitizing to replace blips		p45
What readers think about fluid power		p68	Automation		p40
Canada's fluid power and controls buyers'			Roundup of 1970 technical literature		p35
guide	Jul	p69	The pick of the products, 1970	Dec	p42